

Srividya AR, Taakore H, Tyagi D, Majumdar P, James, Vishnu Varthan VJ, Patel JH, Lad Krunal V. Isolation, quantification and purity estimation of DNA from various sources. *Bull. Pharm. Res.* 2011;1(3):4-9.

**Abstract:** DNA was isolated from various sources such as bacteria, fungi, blood, fish tissue and onion. The entire DNA that has been extracted was found to differ in their molecular weight and was seen as separate bands when viewed under UV light. The concentration of the DNA was estimated by using the UV spectrophotometer. The concentration of DNA was found to be more from onion and the ratio of their absorbance at 260 and 280 nm, was 1.9 which showed slight contamination. The concentration of DNA was found to be the least from fungi and ratio was found to be 1.58 indicating the presence of contamination. The DNA isolated from the bacteria and blood, was found to be 100% pure and free from contamination.

**Key words:** DNA isolation, Blood, Fish tissue, Onion, Bacteria, Yeast.

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